


SAFETY DATA SHEET		
MIRANATE B		
Revision: 3.00 CN ( EN )		Issuing date: 2012-01-16

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product identifier

Trade name : MIRANATE B

### Relevant identified uses of the substance or mixture and uses advised against

Uses of the Substance/Mixture : Specific use(s): Surfactants for various applications, Surfactants used in cosmetics

### Details of the supplier of the safety data sheet

Company : RHODIA INC;  
8, Cedar Brook Drive;  
NJ 08512 Cranbury;  
United States;  
Tel. : +1 609 860 4000;  
Fax : +1 609 860 2241

Emergency telephone number : MULTI LINGUAL EMERGENCY NUMBER (24/7)  
Europe/America/Africa : +44 1235 239 670 (UK)  
Middle East & Africa speaking Arabic : +44 1235 239 671 (UK)  
Asia Pacific : +65 3158 1074 (Singapore)  
China : +86 10 5100 3039 (Beijing)

E-mail address : information.fds@eu.rhodia.com

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity, Inhalation, Category 5 H333: May be harmful if inhaled.  
Acute toxicity, Dermal, Category 5 H313: May be harmful in contact with skin.

### Label elements

#### Hazardous products which must be listed on the label:


- 111-76-2 2-butoxyethanol

#### Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Signal word : Warning

Hazard statements : H313 May be harmful in contact with skin.  
H333 May be harmful if inhaled.

Precautionary statements : **General:**  
None.  
**Prevention:**  
None.  
**Response:**  
P304 + P312 IF INHALED: Call a POISON CENTER or doctor/ physician

SAFETY DATA SHEET		
MIRANATE B		
Revision: 3.00 CN ( EN )		Issuing date: 2012-01-16

P312 if you feel unwell.  
Call a POISON CENTER or doctor/ physician if you feel unwell.

**Storage:**  
None.

**Disposal:**  
None.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Information on Components and Impurities

Chemical Name	CAS-No.	Identification number	GHS Classification	Concentration [%]
2-butoxyethanol	111-76-2		H227 : Flammable liquids, Category 4 H302 : Acute toxicity, Oral, Category 4 H331 : Acute toxicity, Inhalation, Category 3 H311 : Acute toxicity, Dermal, Category 3 H315 : Skin irritation, Category 2 H318 : Serious eye damage, Category 1	>= 10 - < 20
sodium chloride	7647-14-5		H303 : Acute toxicity, Oral, Category 5	>= 1 - < 5

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 4. FIRST AID MEASURES

#### Description of necessary first-aid measures


General advice : Show this safety data sheet to the doctor in attendance.

Inhalation : not applicable

Skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with plenty of water.

Eye contact : Rinse with running water whilst keeping the eyes wide open (at least 15 minutes)

Ingestion : Do NOT induce vomiting.  
Rinse mouth with water.

SAFETY DATA SHEET		
MIRANATE B		
Revision: 3.00 CN ( EN )		Issuing date: 2012-01-16

## 5. FIREFIGHTING MEASURES

### Extinguishing media

Suitable extinguishing media : Water spray  
Foam  
Multi-purpose powders  
Carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media : High volume water jet

### Special hazards arising from the substance or mixture

Specific hazards during firefighting : Aqueous liquid. Does not present any particular risk in the event of a fire.

### Advice for firefighters

Special protective equipment for firefighters : Self-contained breathing apparatus (EN 133)

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Personal protective equipment  
Wear suitable gloves.  
Safety glasses

Environmental precautions : Do not let product enter drains.  
Dam up.

### Methods for Cleaning or Taking Up

Prohibition : As far as possible, do NOT spray packaging which has been damaged or overturned with water.

Recovery : Clean up promptly by sweeping or vacuum.

Decontamination/cleaning : Wash off with plenty of water.


## 7. HANDLING AND STORAGE

### Handling

Technical measures : Does not require any specific or particular measures.

Advice on safe handling and usage : Protect from contamination.  
Comply with instructions for use.

### Storage

SAFETY DATA SHEET		
MIRANATE B		
Revision: 3.00 CN ( EN )		Issuing date: 2012-01-16

Technical Measures for storage : The floor of the depot should be impermeable and designed to form a water-tight basin.

#### Storage conditions

Recommended : Stable under normal conditions.

Incompatible products : Strong oxidizing agents

#### Packaging Measures

Packaging conditions : Keep only in the original container.

Packaging materials - Recommended : Coated steels.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

We are not aware of any national exposure limit.

### Personal protective equipment

Protective measures : Handle in accordance with good industrial hygiene and safety practice.  
Ensure that eye flushing systems and safety showers are located close to the working place.

General advice : Do not let product enter drains.  
Dam up.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : viscous

Physical state : liquid

Colour : colourless to pale yellow.

Odour : very faint

Odour Threshold : no data available


### Safety data

pH : 9.5

Melting point/range : no data available

Boiling point/boiling range : ca. 100 °C

Flash point : > 100 °C  
closed cup

SAFETY DATA SHEET		
MIRANATE B		
Revision: 3.00 CN ( EN )		Issuing date: 2012-01-16

Flammability (solid, gas)	: no data available
Autoignition temperature	: no data available
Oxidizing properties	: Non oxidizing material according to EC criteria
Water solubility	: completely miscible
Solubility in other solvents	: common organic solvents insoluble
	: common organic solvents partly soluble
Partition coefficient: n-octanol/water	: no data available
Vapour pressure	: no data available
Evaporation rate	: no data available
Relative vapour density	: no data available
Density	: ca. 1.1 g/cm3
Oxidation/Reduction Potential	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Explosive properties	: no data available
Thermal decomposition	: no data available
Lower explosion limit	: no data available
Upper explosion limit	: no data available


## 10. STABILITY AND REACTIVITY

Chemical stability	: Stable under normal conditions.
Hazardous reactions	
Materials to avoid	: Strong oxidizing agents

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Acute oral toxicity	: LD50 : 16,280 mg/kg - mouse Not classified as harmful if swallowed Unpublished internal reports
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SAFETY DATA SHEET		
MIRANATE B		
Revision: 3.00 CN ( EN )		Issuing date: 2012-01-16

Acute inhalation toxicity : Acute toxicity estimate ( vapour ) : 26.32 mg/l  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 2,632 mg/kg  
Method: Calculation method

Acute toxicity (other routes of administration) : no data available

Aspiration toxicity : no data available

#### **Skin corrosion/irritation**

Skin irritation : rabbit  
No skin irritation  
Unpublished internal reports

#### **Serious eye damage/eye irritation**

Eye irritation : rabbit  
No eye irritation  
Unpublished internal reports

#### **Respiratory or skin sensitization**

Sensitisation : No information available.

#### **Repeated dose toxicity**

Repeated dose toxicity : no data available

#### **STOT**

STOT - single exposure : no data available  
STOT - repeated exposure : no data available

#### **Carcinogenicity**

Carcinogenicity : no data available


#### **Mutagenicity**

Genotoxicity in vitro : No information available.

Genotoxicity in vivo : No information available.

#### **Reproductive toxicity**

Reproductive toxicity : no data available

SAFETY DATA SHEET		
MIRANATE B		
Revision: 3.00 CN ( EN )		Issuing date: 2012-01-16

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

#### Aquatic Compartment (including sediment)

Toxicity to daphnia and other aquatic invertebrates. : EC50 - 48 h : > 100 mg/l - Daphnia magna (Water flea)  
Unpublished internal reports

### Ecotoxicity assessment

Ecotoxicity assessment : The product does not have any known adverse effects on the aquatic organisms tested  
Unpublished internal reports

### Persistence and degradability

#### Biodegradability

Biodegradability : Ultimate aerobic biodegradability  
Readily biodegradable  
According to the data on the components  
internal evaluation  
Unpublished reports

### Bioaccumulation

Bioconcentration factor (BCF) : According to the data on the components  
Not bioaccumulable  
Unpublished internal reports  
Structure-activity relationship (SAR)

### Mobility

Known distribution to environmental compartments : Ultimate destination of the product : Water


## 13. DISPOSAL CONSIDERATIONS

### Advice on cleaning and disposal of packaging

Advice : Make sure that the packaging does not contain any dry residues or liquids which may run or stick to the sides of the container.  
Wash off with warm water.  
Allow it to drain thoroughly.

Reason for waste disposal : Must be incinerated.

Other data : Dispose of in accordance with local regulations.

SAFETY DATA SHEET		
MIRANATE B		
Revision: 3.00 CN ( EN )	Issuing date: 2012-01-16	

#### 14. TRANSPORT INFORMATION

**ADR**

not regulated

**RID**

not regulated

**IMDG**

not regulated

**IATA**

not regulated

Note: The above regulatory prescriptions are those valid on the date of publication of this sheet. Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.

#### 15. REGULATORY INFORMATION

Following last version of regulations are applicable for the chemical classification, SDS and label:

- General Rule for classification and hazard communication of chemicals, GB 13690
- Series standards of Safety rules for classification, precautionary labeling and precautionary statements of chemicals (GB 20576~GB 20602)
- General rules for preparation of precautionary label for chemicals, GB 15258
- Safety data sheet for chemical products—Content and order of sections, GB/T 16483

#### 16. OTHER INFORMATION

**Full text of H-Statements referred to under sections 2 and 3.**

H227	Combustible liquid
H302	Harmful if swallowed.
H303	May be harmful if swallowed.
H311	Toxic in contact with skin.
H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H333	May be harmful if inhaled.

**Full text of P-Statements referred to under sections 2 and 3.**

P304 + P312	IF INHALED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets but do not replace them. Thus, the information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in an other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.